

REMARKS

There are now pending in this application Claims 1-9 and 11-24. Claims 11-21 have been withdrawn from consideration. Claim 10 has been cancelled without prejudice or waiver of its subject matter and dependent Claims 22, 23, and 24 are newly added.

Of the claims under examination, Claim 1 is the sole independent claim.

In view of the above amendments and the following remarks, favorable reconsideration and allowance of the above application are respectfully sought.

Applicants' invention as now set forth in independent Claim 1 is directed to a linear motor. The motor comprises a plurality of coils, a plurality of core members, wherein each of the core members is used for winding each of the coils and a fixing member which fixes each of the plurality of coils using each of the plurality of core members. Claim 1 has been amended to more clearly recite Applicants' invention and otherwise expedite prosecution.

Claim 1 stands rejected under 35 U.S.C. § 102(b), as being anticipated by Feingold (U.S. Patent No. 4,131,988). Claims 1-10 stand rejected under 35 U.S.C. § 103(a), as being unpatentable over Kamata (JP 10-309071) in view of Flisikowski (U.S. Patent No. 4,618,789). In view of the above amendments and for reasons which follow, the rejections are respectfully traversed.

As noted above, independent Claim 1 has been amended to more clearly recite the invention. More specifically, the amendments clarify that the claimed invention has a structure in which the core member is able to be used as the winding jig and the plurality of coils

are fixed to a fixing member by using the core members. By having such a configuration, the difference of the claimed invention from Feingold is clarified.

Thus, the structure disclosed in Feingold has a core member and a foil-like coil with an insulated layer. In the structure manufactured by the method of Feingold, there is no disclosure that the core member is used in order to wind the foil-like coil. Instead, coil is wound around by using a winding jig, and the wound coil is removed from the winding jig and inserted into the core member. Applicants submit that by manufacturing a motor in accordance with the methods disclosed in Feingold, one will not overcome the problems solved by the present invention. The Examiner is respectfully referred to the specification at least at page 3, line 8 through page 4, line 8 for a description of the problems to which the present invention is directed.

Applicants respectfully submit that the rejection under 35 U.S.C. § 103(a), as being unpatentable over Kamata in view of Flisikowski is no longer applicable in view of the above amendments to independent Claim 1. Specifically, Applicants respectfully submit that the combined references, whether taken individually or in combination, do not teach or suggest the claimed invention in which the core member is able to be used as the winding jig or the plurality of coils are fixed to a fixing member by using the core members. It is therefore respectfully submitted that independent Claim 1 is distinguishable over the applied art.

Applicants also further directs the Examiner's attention to the Information Disclosure Statement filed on January 7, 2004 and December 12, 2003. It is respectfully requested that the references cited therein be fully considered.

In addition, Applicants submit the following additional comments on two of those references.

In JP 2000-324789, a core member corresponding to a hollow coil portion is manufactured by injection molding (paragraph 0029 processes 1-5). In this process, since the coil is removed from the winding jig, the coil may be damaged, and as illustrated in Fig. 6, the coil is influenced by pressure and temperature of a building resin and therefore may be deformed. Thus, high positioning precision for fixing the coil is not attained in this reference.

In JP 2000-261997, structures for obtaining the fixing precision to fix the coil into the winding jig and for preventing deformation of the coil are suggested. However, in this reference, the invention is used in the linear motor which has the plurality of coils and can maintain the high precision of the coil spacing easily by positioning the coil member functioning as the winding jigs into the coil fixing member. There is no disclosure or suggestion for maintaining the precision of the spacing of the plurality of coils as will be obtained in the present invention.

For the foregoing reasons, Applicants submit that neither the applied art of record, nor the supplemental art cited by Applicants in its Information Disclosure Statements, teaches or suggest the invention as recited in independent Claim 1.

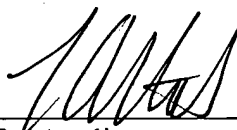
Claims 2-9 and 22-24 are dependent claims which depend either directly or indirectly from Claim 1 and are therefore patentable over the art of record for reasons noted above with respect to Claim 1. In addition, each recite features of the invention still further

distinguishing it from the applied art. Favorable and independent consideration thereof is respectfully sought.

Applicants respectfully submit that all outstanding matters in the above application have been addressed and that this application is in condition for allowance. Favorable reconsideration and early passage to issue of the above application are respectfully sought.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,



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